

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2017 Air Force										Date: February 2016		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares							P-1 Line Item Number / Title: 356010 / FLARES					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A			Item MDAP/MAIS Code(s): N/A									

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	103.296	131.999	134.709	6.531	141.240	162.549	141.921	131.081	115.051	-	927.137
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	103.296	131.999	134.709	6.531	141.240	162.549	141.921	131.081	115.051	-	927.137
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	103.296	131.999	134.709	6.531	141.240	162.549	141.921	131.081	115.051	-	927.137

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:
FY2015 funding includes \$19.136M appropriated for Overseas Contingency Operations.

FY2016 funding includes \$11.064M appropriated for Overseas Contingency Operations.

The following Weapon System Cost Elements are represented in this P-1 line:

-(L410) M206 Flare is an infrared countermeasures flare used by A-10, F-16, C-17, C-130, and other aircraft against heat seeking missiles. This item is procured through the Single Manager for Conventional Ammunition (SMCA)/Army.

-(L461) MJU-10 Flare is an infrared countermeasures flare used by F-15 aircraft against heat seeking missiles. Evaluating switch to MJU-53. This item is procured through the Single Manager for Conventional Ammunition (SMCA)/Army.

-(L462) MJU-23 Infrared Countermeasure Flare used on the B-1B aircraft against heat seeking missiles. The MJU-23 flare includes a specially designed high ejection cartridge (BBU-46) that propels the burning flare pellet upward with sufficient velocity to clear the aircraft during high speed, low level flight.

-(L463) MJU-7 IR Flare is an infrared countermeasures flare applicable to the A-10, F-15, F-16, F-22 and other aircraft. It creates an infrared signature and acts as a decoy against heat seeking missiles. Evaluating switch to MJU-53. This item is procured through the Single Manager for Conventional Ammunition (SMCA)/Army.

-(LA36) MJU-62 Flare is a multi-spectral countermeasure designed to be used as part of a flare cocktail pattern to confuse advanced infrared threat missiles. Used primarily on the C-17 and C5 aircraft which require a 1 inch by 2 inch by 8 inch flare size to accommodate desired cocktail flare mixes. MJU-62 is being evaluated for use on other types of aircraft. This item is procured through USAF.

-(LA66) The MJU-61 is an infrared countermeasure flare used by KC-130J and F-35 aircraft against heat seeking missiles. This item is procured through the Navy PMA 272.

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Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares		P-1 Line Item Number / Title: 356010 / FLARES
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): N/A	
<p>-(LA61) MJU-66 decoy Countermeasure Flare is an improved version of the MJU-64 providing increased decoy effectiveness and protection for the A-10, C-130 and F-35 aircraft and HH-53 and HH-60 helicopters and being evaluated for other aircraft. It is a one-piece aluminum case containing a payload of advanced special material elements, loaded into a multiple jettison unit magazine installed on a countermeasure dispenser. When deployed into the air stream, the special material reacts to emit an infrared signal to decoy infrared seeking missiles. Includes FY2017 OCO of \$3.266M</p> <p>-(LA67) MJU-71 IR Flare is a magnesium based thrustured flare used in a cocktail mix of flares on aircraft to improve the effectiveness of the countermeasures against heat-seeking missile threats. The 1x1x8 inch size provides better protection of the aircraft and flight crew. Other versions of thrustured flares are larger and use more space in the flare dispensers, severely limiting the number of ejection events. Initially approved for use on the C-130, A-10 and F-16 aircraft with on-going tests for use on other platforms. This item is procured through the Navy.</p> <p>-(LA68) MJU-68 Flare is a magnesium based countermeasure and was developed specifically for the F-35/JSF aircraft to provide protection from advanced infrared threat missiles.</p> <p>-(LA69) MJU-69 Flare is a multi-spectral countermeasure and was developed specifically for the F-35/JSF aircraft to provide protection from advance infrared threat missiles.</p> <p>-(LA21) MJU-53 Flare is a magnesium base IR countermeasure. It consists of an aluminum case, crimped and sealed plastic end cap, rubber spacer, plastic piston, safe and ignition device, flare pellet and sealed cartridge cup. It is dispensed and ignited in flight by a BBU-36 impulse cartridge cup). Used on C-17, C-5, and being evaluated for future use on other aircraft. Includes FY2017 OCO of \$3.266M</p> <p>-(LY12) The ALA-17C is an infrared countermeasure used by B-52 aircraft against heat seeking missiles. This item is procured through the US Air Force.</p> <p>-Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000 and are Code A.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>The FY17 funding request was reduced by \$23.375 Million to account for the availability of prior year execution balances.</p> <p>Funding for this exhibit contained in PEs: 0207224F, 0208030F and 0207599F.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2017 Air Force							Date: February 2016		
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares					P-1 Line Item Number / Title: 356010 / FLARES				
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A			Item MDAP/MAIS Code(s): N/A						
Exhibits Schedule				Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	(L410) M206 FLARE	P-5a	A	- / -	- / 25.645	- / 25.853	- / 20.882	- / -	- / 20.882
P-5	(L461) MJU-10 FLARE	P-5a	A	- / -	- / 14.177	- / 10.000	- / 5.000	- / -	- / 5.000
P-5	(L463) MJU-7A/B, IR FLARE	P-5a	A	- / -	- / 7.000	- / 26.171	- / 16.885	- / -	- / 16.885
P-40a	(LA21) MJU-53/B IR CM FLARE			- / -	- / 12.574	- / 21.478	- / 10.452	- / 3.266	- / 13.718
P-40a	(LA36) MJU-62/B IR CM FLARE			- / -	- / 7.000	- / 7.960	- / 7.400	- / -	- / 7.400
P-40a	(LA66) MJU-61 IR CM FLARE			- / -	- / -	- / -	- / 4.000	- / -	- / 4.000
P-40a	(LA61) MJU-66 CM ACFT FLARE			- / -	- / 7.800	- / 12.022	- / 14.094	- / 3.265	- / 17.359
P-40a	(LA67) FLARE, IR, CM (MJU-71/B)			- / -	- / 18.000	- / 18.515	- / 17.466	- / -	- / 17.466
P-40a	(LA68) MJU-68/B IR CM FLARE			- / -	- / 5.000	- / 5.000	- / 14.190	- / -	- / 14.190
P-40a	(LA69) MJU-69/B IR CM FLARE			- / -	- / 5.000	- / 5.000	- / 14.190	- / -	- / 14.190
P-40a	(LY12) ALA-17 FLARE CARTRIDGE			- / -	- / 1.100	- / -	- / 10.150	- / -	- / 10.150
P-40	Total Gross/Weapon System Cost			- / -	- / 103.296	- / 131.999	- / 134.709	- / 6.531	- / 141.240

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY2017 purchases countermeasures and flares used by A-10, AC-130, F-16, C-17 and F-35/JSF aircraft, HH-53 and HH-60 helicopters and other aircraft to protect the warfighter against advanced air-to-air and ground-to-air infrared and heat seeking attack weapon systems and missiles.

FY2017 OCO: \$3.266M is needed to procure IR flares for the C-17 and C-5 aircraft for self protection in the theater of operations. \$3.265M is needed to procure IR flares for A-10, C-130, HH-53, and HH-60 aircraft for self protection in the theater of operations.

The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.

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Exhibit P-5, Cost Analysis: PB 2017 Air Force											Date: February 2016							
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16						P-1 Line Item Number / Title: 356010 / FLARES						Item Number / Title [DODIC]: - / (L410) M206 FLARE						
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		25.645		25.853		20.882		-		20.882				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				-		25.645		25.853		20.882		-		20.882				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				-		25.645		25.853		20.882		-		20.882				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																		
Recurring Cost																		
M206 FLARE - L410 ^(†)	-	-	-	36.00	697,955	25.126	36.00	704,158	25.350	34.27	599,066	20.530	-	-	-	34.27	599,066	20.530
Subtotal: Recurring Cost	-	-	-	-	-	25.126	-	-	25.350	-	-	20.530	-	-	-	-	-	20.530
Subtotal: Hardware - Hardware End Item Cost	-	-	-	-	-	25.126	-	-	25.350	-	-	20.530	-	-	-	-	-	20.530
Support - Support End Item Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.513	-	-	0.497	-	-	0.350	-	-	-	-	-	0.350
QUALITY ASSURANCE	-	-	-	-	-	0.006	-	-	0.006	-	-	0.002	-	-	-	-	-	0.002
Subtotal: Support - Support End Item Cost	-	-	-	-	-	0.519	-	-	0.503	-	-	0.352	-	-	-	-	-	0.352
Gross/Weapon System Cost	-	-	-	-	-	25.645	-	-	25.853	-	-	20.882	-	-	-	-	-	20.882
Remarks: The Single Manager for Conventional Ammunition (SMCA), Department of Army provides this cost analysis with estimates obtained from industry based on quantity range matrices and forecasted cost of materials.																		
(†) indicates the presence of a P-5a																		

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Exhibit P-5a, Procurement History and Planning: PB 2017 Air Force								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16				P-1 Line Item Number / Title: 356010 / FLARES				Item Number / Title [DODIC]: - / (L410) M206 FLARE				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
M206 FLARE - L410		2015	KILGORE AND ARMTEC / TOONE, TN AND COACHELLA, CA	MIPR	AFLCMC Hill AFB	May 2015	Sep 2016	697,955	36.00	Y		
M206 FLARE - L410		2016	KILGORE AND ARMTEC / TOONE, TN AND COACHELLA, CA	MIPR	AFLCMC Hill AFB	Mar 2016	Mar 2017	704,158	36.00	Y		
M206 FLARE - L410		2017	KILGORE AND ARMTEC / TOONE, TNA ND COACHELLA, CA	MIPR	AFLCMC Hill AFB	Mar 2017	Mar 2018	599,066	34.27	Y		

Remarks:
The Single Manager for Conventional Ammunition (SMCA/Army) procures the M206 Flare for the Air Force and other Military Services having requirements for the same or similar items.
SMCA establishes contracts based on the competitive environment among qualified sources.

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Exhibit P-5, Cost Analysis: PB 2017 Air Force															Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16							P-1 Line Item Number / Title: 356010 / FLARES							Item Number / Title [DODIC]: - / (L461) MJU-10 FLARE					
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total					
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-					
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		14.177		10.000		5.000		-		5.000					
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Net Procurement (P-1) <i>(\$ in Millions)</i>				-		14.177		10.000		5.000		-		5.000					
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>				-		14.177		10.000		5.000		-		5.000					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																			
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>				-		-		-		-		-		-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements		Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware End Item Cost																			
Recurring Cost																			
MJU-10 FLARE - L461 ^(t)		-	-	-	210.90	67,205	14.174	215.00	46,481	9.994	182.12	27,435	4.996	-	-	-	182.12	27,435	4.996
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	14.174	-	-	9.994	-	-	4.996	-	-	-	-	-	4.996
<i>Subtotal: Hardware - Hardware End Item Cost</i>		-	-	-	-	-	14.174	-	-	9.994	-	-	4.996	-	-	-	-	-	4.996
Support - Support End Item Cost																			
QUALITY ASSURANCE		-	-	-	-	-	0.003	-	-	0.006	-	-	0.004	-	-	-	-	-	0.004
<i>Subtotal: Support - Support End Item Cost</i>		-	-	-	-	-	0.003	-	-	0.006	-	-	0.004	-	-	-	-	-	0.004
Gross/Weapon System Cost		-	-	-	-	-	14.177	-	-	10.000	-	-	5.000	-	-	-	-	-	5.000
Remarks: The Single Manager for Conventional Ammunition (SMCA), Department of Army provides this cost analysis with estimates obtained from industry based on quantity range matrices and forecasted cost of materials. ^(t) indicates the presence of a P-5a																			

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Exhibit P-5a, Procurement History and Planning: PB 2017 Air Force								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16				P-1 Line Item Number / Title: 356010 / FLARES				Item Number / Title [DODIC]: - / (L461) MJU-10 FLARE				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
MJU-10 FLARE - L461		2015	KILGORE AND ARMTEC / TOONE, TN AND COACHELLA, CA	MIPR	AFLCMC Hill AFB	Mar 2015	Mar 2016	67,205	210.90	Y		
MJU-10 FLARE - L461		2016	KILGORE AND ARMTEC / TOONE, TN AND COACHELLA, CA	MIPR	AFLCMC Hill AFB	Mar 2016	Mar 2017	46,481	215.00	Y		
MJU-10 FLARE - L461		2017	KILGORE AND ARMTEC / TOONE, TN AND COACHELLA, CA	MIPR	AFLCMC Hill AFB	Mar 2017	Mar 2018	27,435	182.12	Y		

Remarks:

The Single Manager for Conventional Ammunition (SMCA/Army) procures the MJU-10 Countermeasure Flare for the Air Force and other Military Services having requirements for the same or similar items. SMCA establishes contracts based on the competitive environment among qualified sources.

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Exhibit P-5, Cost Analysis: PB 2017 Air Force															Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16							P-1 Line Item Number / Title: 356010 / FLARES							Item Number / Title [DODIC]: - / (L463) MJU-7A/B, IR FLARE					
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total					
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-					
Gross/Weapon System Cost <i>(\$ in Millions)</i>				-		7.000		26.171		16.885		-		16.885					
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Net Procurement (P-1) <i>(\$ in Millions)</i>				-		7.000		26.171		16.885		-		16.885					
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>				-		7.000		26.171		16.885		-		16.885					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																			
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>				-		-		-		-		-		-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total			
	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	
Hardware - Hardware End Item Cost																			
Recurring Cost																			
MJU-7A/B IR FLARE - L463 ^(†)	-	-	-	59.90	116,751	6.993	61.00	428,983	26.168	55.79	302,617	16.883	-	-	-	55.79	302,617	16.883	
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	6.993	-	-	26.168	-	-	16.883	-	-	-	-	-	16.883	
<i>Subtotal: Hardware - Hardware End Item Cost</i>	-	-	-	-	-	6.993	-	-	26.168	-	-	16.883	-	-	-	-	-	16.883	
Support - Support End Item Cost																			
QUALITY ASSURANCE	-	-	-	-	-	0.007	-	-	0.003	-	-	0.002	-	-	-	-	-	0.002	
<i>Subtotal: Support - Support End Item Cost</i>	-	-	-	-	-	0.007	-	-	0.003	-	-	0.002	-	-	-	-	-	0.002	
Gross/Weapon System Cost	-	-	-	-	-	7.000	-	-	26.171	-	-	16.885	-	-	-	-	-	16.885	
Remarks: The Single Manager for Conventional Ammunition (SMCA), Department of Army provides this cost analysis with estimates obtained from industry based on quantity range matrices and forecasted cost of materials. ^(†) indicates the presence of a P-5a																			

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Exhibit P-5a, Procurement History and Planning: PB 2017 Air Force								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16				P-1 Line Item Number / Title: 356010 / FLARES				Item Number / Title [DODIC]: - / (L463) MJU-7A/B, IR FLARE				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
MJU-7A/B IR FLARE - L463		2015	KILGORE AND ARMTEC / TOONE, TN AND COACHELLA, CA	MIPR	AFLCMC Hill AFB	Mar 2015	Mar 2016	116,751	59.90	Y		
MJU-7A/B IR FLARE - L463		2016	KILGORE AND ARMTEC / TOONE, TN AND COACHELLA, CA	MIPR	AFLCMC Hill AFB	Mar 2016	Mar 2017	428,983	61.00	Y		
MJU-7A/B IR FLARE - L463		2017	KILGORE AND ARMTEC / TOONE, TN AND COACHELLA, CA	MIPR	AFLCMC Hill AFB	Mar 2017	Mar 2018	302,617	55.79	Y		

Remarks:

The Single Manager for Conventional Ammunition (SMCA/Army) procures the MJU-7 Infrared Flare for the Air Force and other Military Services having requirements for the same or similar items. SMCA establishes contracts based on the competitive environment among qualified sources.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Air Force															Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16						P-1 Line Item Number / Title: 356010 / FLARES						Aggregated Items Title: (LA21) MJU-53/B IR CM FLARE								
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(LA21) MJU-53/ B INFRARED COUNTERMEASURE FLARE	A		-	-	-	75.80	165,883	12.574	76.62	280,317	21.478	65.70	159,086	10.452	65.70	49,710	3.266	65.70	208,796	13.718
Subtotal: Uncategorized			-	-	-	-	-	12.574	-	-	21.478	-	-	10.452	-	-	3.266	-	-	13.718
Total			-	-	-	-	-	12.574	-	-	21.478	-	-	10.452	-	-	3.266	-	-	13.718
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
Remarks: The MJU-53 Infrared Countermeasure Flare is purchased by the Munitions Division, AFMC. Unit prices are estimates from industry.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Air Force										Date: February 2016	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16					P-1 Line Item Number / Title: 356010 / FLARES					Aggregated Items Title: (LA36) MJU-62/B IR CM FLARE	

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(LA36) MJU-62 IR CM FLARE	A		-	-	-	196.00	35,714	7.000	198.00	40,202	7.960	198.26	37,324	7.400	-	-	-	198.26	37,324	7.400
Subtotal: Uncategorized			-	-	-	-	-	7.000	-	-	7.960	-	-	7.400	-	-	-	-	-	7.400
Total			-	-	-	-	-	7.000	-	-	7.960	-	-	7.400	-	-	-	-	-	7.400

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Remarks:

The MJU-62 Infrared Countermeasure Flare is purchased by the Munitions Division, AFMC. Unit prices are estimates from industry.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Air Force															Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16							P-1 Line Item Number / Title: 356010 / FLARES							Aggregated Items Title: (LA66) MJU-61 IR CM FLARE						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(LA66) MJU-61 IR CM Flare	A		-	-	-	-	-	-	-	-	-	75.00	53,333	4.000	-	-	-	75.00	53,333	4.000
Subtotal: Uncategorized			-	-	-	-	-	-	-	-	-	-	-	4.000	-	-	-	-	-	4.000
Total			-	-	-	-	-	-	-	-	-	-	-	4.000	-	-	-	-	-	4.000

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Air Force															Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16								P-1 Line Item Number / Title: 356010 / FLARES							Aggregated Items Title: (LA61) MJU-66 CM ACFT FLARE				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(LA61) MJU-66 Decoy ACFT Flare	A		-	-	-	200.00	39,000	7.800	447.68	26,854	12.022	130.08	108,348	14.094	130.08	25,099	3.265	130.08	133,447	17.359
Subtotal: Uncategorized			-	-	-	-	-	7.800	-	-	12.022	-	-	14.094	-	-	3.265	-	-	17.359
Total			-	-	-	-	-	7.800	-	-	12.022	-	-	14.094	-	-	3.265	-	-	17.359

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Remarks:

Air Force purchases MJU-66 through the Navy. The Navy provides this cost analysis with estimates obtained from industry based on quantity range matrices and forecasted cost of materials. FY2014-FY2016 prices have been amended to reflect more closely the proposed costs based in materiel cost increases.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Air Force										Date: February 2016	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16					P-1 Line Item Number / Title: 356010 / FLARES					Aggregated Items Title: (LA67) FLARE, IR, CM (MJU-71/B)	

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(LA67) FLARE, IR, CM (MJU-71/B)	A		-	-	-	685.00	26,277	18.000	706.01	26,225	18.515	480.14	36,376	17.466	-	-	-	480.15	36,376	17.466
Subtotal: Uncategorized			-	-	-	-	-	18.000	-	-	18.515	-	-	17.466	-	-	-	-	-	17.466
Total			-	-	-	-	-	18.000	-	-	18.515	-	-	17.466	-	-	-	-	-	17.466

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Remarks:

The MJU-71 Infrared Countermeasure Flare is purchased by the Munitions Division, AFMC. Unit prices are estimates from industry.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Air Force															Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16							P-1 Line Item Number / Title: 356010 / FLARES								Aggregated Items Title: (LA68) MJU-68/B IR CM FLARE					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(LA68) MJU-68 IR CM FLARE	A		-	-	-	2,425.00	2,062	5.000	2,452.18	2,039	5.000	4,000.56	3,547	14.190	-	-	-	4,000.56	3,547	14.190
Subtotal: Uncategorized			-	-	-	-	-	5.000	-	-	5.000	-	-	14.190	-	-	-	-	-	14.190
Total			-	-	-	-	-	5.000	-	-	5.000	-	-	14.190	-	-	-	-	-	14.190

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Remarks:

The MJU-68 Infrared Countermeasure Flare is purchased by the Munitions Division, AFMC. Unit prices are estimates from industry.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Air Force															Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16						P-1 Line Item Number / Title: 356010 / FLARES									Aggregated Items Title: (LA69) MJU-69/B IR CM FLARE					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(LA69) MJU-69 IR CM FLARE	A		-	-	-	2,425.00	2,062	5.000	2,452.18	2,039	5.000	4,000.56	3,547	14.190	-	-	-	4,000.56	3,547	14.190
Subtotal: Uncategorized			-	-	-	-	-	5.000	-	-	5.000	-	-	14.190	-	-	-	-	-	14.190
Total			-	-	-	-	-	5.000	-	-	5.000	-	-	14.190	-	-	-	-	-	14.190

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Remarks:

The MJU-69 Infrared Countermeasure Flare is purchased by the Munitions Division, AFMC. Unit prices are estimates from industry.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Air Force															Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16						P-1 Line Item Number / Title: 356010 / FLARES						Aggregated Items Title: (LY12) ALA-17 FLARE CARTRIDGE								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(LY17) ALA-17 Flare Cartridge	A		-	-	-	606.79	1,813	1.100	-	-	-	613.36	16,548	10.150	-	-	-	613.37	16,548	10.150
Subtotal: Uncategorized			-	-	-	-	-	1.100	-	-	-	-	-	10.150	-	-	-	-	-	10.150
Total			-	-	-	-	-	1.100	-	-	-	-	-	10.150	-	-	-	-	-	10.150

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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